

Nancy L Greenbaum

List of Publications by Year in descending order

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32
papers

777
citations

567281

15
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Sculpting of the spliceosomal branch site recognition motif by a conserved pseudouridine. <i>Nature Structural Biology</i> , 2002, 9, 958-965.	9.7	123
2	A conserved pseudouridine modification in eukaryotic U2 snRNA induces a change in branch-site architecture. <i>Rna</i> , 2001, 7, 833-845.	3.5	106
3	Investigation of Overhauser effects between pseudouridine and water protons in RNA helices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12697-12702.	7.1	93
4	Protected ³² P-Labels in Deoxyribonucleotides: Investigation of Sequence Selectivity of DNA Photocleavage by Eneidyne ⁺ , Fulvene ⁺ , and Acetylene ⁺ Lysine Conjugates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3666-3670.	13.8	42
5	The electrostatic characteristics of G{middle dot}U wobble base pairs. <i>Nucleic Acids Research</i> , 2007, 35, 3836-3847.	14.5	38
6	Use of a novel Forster resonance energy transfer method to identify locations of site-bound metal ions in the U2-U6 snRNA complex. <i>Nucleic Acids Research</i> , 2007, 35, 2833-2845.	14.5	36
7	Solution structure of the donor site of a trans-splicing RNA. <i>Structure</i> , 1996, 4, 725-733.	3.3	32
8	Probing of Metal-Binding Domains of RNA Hairpin Loops by Laser-Induced Lanthanide(III) Luminescence. <i>Biochemistry</i> , 2001, 40, 1124-1134.	2.5	32
9	Sequestering of Eu(III) by a GAAA RNA Tetraloop. <i>Journal of the American Chemical Society</i> , 2002, 124, 3525-3532.	13.7	32
10	DNA damage-site recognition by lysine conjugates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13016-13021.	7.1	30
11	Measurement of chemical exchange between RNA conformers by ¹⁹ F NMR. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 692-695.	2.1	21
12	Determination of the Folding Topology of the SL1 RNA from <i>Caenorhabditis elegans</i> by Multidimensional Heteronuclear NMR. <i>Journal of Molecular Biology</i> , 1995, 252, 314-327.	4.2	18
13	NMR spectroscopy of RNA duplexes containing pseudouridine in supercooled water. <i>Rna</i> , 2005, 11, 1012-1016.	3.5	18
14	Recognition of the spliceosomal branch site RNA helix on the basis of surface and electrostatic features. <i>Nucleic Acids Research</i> , 2005, 33, 1154-1161.	14.5	18
15	Analysis of oligonucleotides and unincorporated nucleotides from <i>in vitro</i> transcription by capillary electrophoresis in Pluronic F127 gels. <i>Electrophoresis</i> , 2001, 22, 771-778.	2.4	17
16	Triangulating Nucleic Acid Conformations Using Multicolor Surface Energy Transfer. <i>ACS Nano</i> , 2016, 10, 1926-1938.	14.6	16
17	Binding of Europium(III) ions to RNA stem loops: Role of the primary hydration sphere in complex formation. <i>Biopolymers</i> , 2003, 69, 100-109.	2.4	15
18	Conformation of the Group II Intron Branch Site in Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 3866-3867.	13.7	14

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19	Conformational heterogeneity of the protein-free human spliceosomal U2-U6 snRNA complex. <i>Rna</i> , 2013, 19, 561-573.	3.5	14
20	Use of 19F NMR Methods to Probe Conformational Heterogeneity and Dynamics of Exchange in Functional RNA Molecules. <i>Methods in Enzymology</i> , 2014, 549, 267-285.	1.0	11
21	Facile synthesis of chlorin bioconjugates by a series of click reactions. <i>Chemical Communications</i> , 2017, 53, 3773-3776.	4.1	9
22	Interaction between the Spliceosomal Pre-mRNA Branch Site and U2 snRNP Protein p14. <i>Biochemistry</i> , 2016, 55, 629-632.	2.5	7
23	A Combinatorial Approach for Multiple RNA Interaction: Formulations, Approximations, and Heuristics. <i>Lecture Notes in Computer Science</i> , 2013, , 421-433.	1.3	7
24	Use of RNA-bound Tb ³⁺ as a FRET donor. <i>Methods</i> , 2010, 52, 173-179.	3.8	6
25	Role of helical constraints of the EBS1-IBS1 duplex of a group II intron on demarcation of the 5' splice site. <i>Rna</i> , 2014, 20, 24-35.	3.5	6
26	Label-free horizontal EMSA for analysis of protein-RNA interactions. <i>Analytical Biochemistry</i> , 2020, 599, 113736.	2.4	6
27	Impact of base pair identity 5' to the spliceosomal branch site adenosine on branch site conformation. <i>Rna</i> , 2012, 18, 2093-2103.	3.5	3
28	Role of the central junction in folding topology of the protein-free human U2-U6 snRNA complex. <i>Rna</i> , 2020, 26, 836-850.	3.5	3
29	Specificity of Mg ²⁺ binding at the Group II intron branch site. <i>Biophysical Chemistry</i> , 2008, 136, 96-100.	2.8	2
30	Topology of the U12-U6 _{atac} snRNA Complex of the Minor Spliceosome and Binding by NTC-Related Protein RBM22. <i>ACS Omega</i> , 2020, 5, 23549-23558.	3.5	1
31	Role of a Conserved Pseudouridine in Spliceosomal Pre-mRNA Branch Site Conformation. <i>ACS Symposium Series</i> , 2004, , 165-175.	0.5	0
32	Role of a conserved pseudouridine in U2 snRNA on the structural and electrostatic features of the spliceosomal pre-mRNA branch site. <i>Topics in Current Genetics</i> , 0, , 205-221.	0.7	0